

SEQUENCE LISTING

<110> Abbott Laboratories
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Haviv, Fortuna
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Schneider, Andrew J.

<120> PEPTIDE ANTIANGIOGENIC DRUGS

<130> 6356.US.P4

<150> US 09/316,888
<151> 1999-05-21

<150> US 60/126,546
<151> 1999-03-26

<150> US 60/086,536
<151> 1998-05-22

<160> 6

<170> FastSEQ for Windows Version 4.0

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<220>
<223> Antiangiogenetic Peptide

<221> VARIANT
<222> (1)...(1)
<223> Xaa = Ala, Asn, Cit, Gln, Glu, N^εtGly, Met,
N-methylalanyl, Pro, pyro-Glu, Sar, Ser, or Thr at
position 1

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ala, Asn, Asp, Gln, Glu, Leu, Met, Phe, Pro,
or Ser at position 2

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Ala, Asn, Cit, Cha, Chg, Gln, Glu, Gly, Ile,
Leu, Met, Nva, Phe, Ser, tButylgly, Thr, Val, Pen,
or Cys at position 3

<221> VARIANT
<222> (4)...(4)
<223> Xaa = alloIle, Gly, Ile, Pro, or dehydroleu at
position 4

<221> VARIANT
 <222> (5)...(5)
 <223> Xaa = Ala, 3-Pal, 1-Nal, 2-Nal, allo-threonyl,
 allylgly, Gln, Gly, His, Hser, Ile, Lys(Ac), Met,
 Nva, Octylgly, Orn, Phe(4-CH₂OH), Pro, Ser, Thr,
 Trp, Tyr, Pen, or Cys at position 5

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = Ala, 1-Nal, 2-Nal, 3-Pal, Abu, allylgly,
 Arg, Asn, Asp, Cit, Cha, Gln, Glu, Gly, His,
 Homoala, Hle, Hser, Ile, Leu, Lys(Ac), Lys(Isp),
 at position 6

<221> VARIANT
 <222> (6)...(6)
 <223> 6 Cont'd:
 Xaa = Met(O₂), Met(O), Met, Nor, Nva, Octylgly,
 Phe, Phe(4-CONH₂), Propargylgly, Ser, Thr, Trp,
 Tyr, Val, Pen, or Cys at position 6

<221> VARIANT
 <222> (7)...(7)
 <223> Xaa = Ala, Allylgly, Asn, Cit, Chg, Gln, Gly,
 Hser, Ile, alloIle, Leu, Lys(Ac), Met, 1-Nal,
 2-Nal, Nva, Phe, Pro, Ser, tButylgly, Trp, Tyr,
 Val, Pen, or Cys at position 7

<221> VARIANT
 <222> (8)...(8)
 <223> Xaa = Aminopyrimidinobutanoyl, Ala(3-guanidino),
 Ala(3-pyrrolidinylamidino), Ala[4-Pip(N-amidino)],
 Arg, arginyl(NGNG'diethyl), Cit, Cha(4-NIsp),
 Gly[4-pip(N-amido)], at position 8

<221> VARIANT
 <222> (8)...(8)
 <223> 8 Cont'd:
 Xaa = His, Harg, Lys, Lys(Ile), Lys(Nic), Norarg,
 Orn(Isp), Orn(Nic), Orn(2-imidazo),
 Phe(4-CH₂NHIsp), Phe(4-guanidino), or Phe(4-NIsp)
 at position 8

<221> VARIANT
 <222> (9)...(9)
 <223> Xaa = Abu, Aib, homoprolyl, hydroxyprolyl, Ile,
 Leu, Phe, Pro, Ser, tButylgly, Tic, Thr, or Val at
 position 9

<221> VARIANT
 <222> (10)...(10)
 <223> Xaa = azaglycylamide, glycylamide,
 glycylethylamide, sarcosylamide, serylamide at
 position 10

<400> 1

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10

<210> 2
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 <223> Antiangiogenetic peptide

<221> VARIANT
 <222> (1)...(1)
 <223> Xaa = sarcosyl at position 1

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = norvaline at position 6

<400> 2
 Xaa Gly Val Ile Thr Xaa Ile Arg Pro
 1 5

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 <223> Antiangiogenetic peptide

<221> VARIANT
 <222> (1)...(1)
 <223> Xaa = sarcosyl at position 1

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = norvaline at position 6

<400> 3
 Xaa Gly Val Gly Thr Xaa Ile Arg Pro
 1 5

<210> 4
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<220>
 <223> Antiangiogenetic peptide

<221> VARIANT
 <222> (1)...(1)
 <223> Xaa = sarcosyl at position 1

<221> VARIANT
 <222> (4)...(4)
 <223> Xaa = allo-isoleucyl at position 4

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = norvaline at position 6

<400> 4
 Xaa Gly Val Xaa Thr Xaa Ile Arg Pro
 1 5

<210> 5
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 <213> Artificial Sequence

<220>
 <223> Antiangiogenetic peptide

<221> VARIANT
 <222> (1)...(1)
 <223> Xaa = sarcosyl at position 1

<221> VARIANT
 <222> (4)...(4)
 <223> Xaa = dehydroleucyl at position 4

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = norvaline at position 6

<400> 5
 Xaa Gly Val Xaa Thr Xaa Ile Arg Pro
 1 5

<210> 6
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<220>
 <223> Antiangiogenetic Peptide

<221> VARIANT
 <222> (1)...(1)
 <223> Xaa = R-(CH₂)_n-C(O)- where R is N-acetylamino at position 1

<221> VARIANT
 <222> (2)...(2)
 <223> Xaa = Sar at position 2

<221> VARIANT

<222> (5)...(5)

<223> Xaa = AlloIle, dehydroleu, Gly, Ile or Pro at position 5

<221> VARIANT

<222> (6)...(6)

<223> Xaa = Ala, 3-Pal, 1-Nal, 2-Nal, allo-threonyl, allylgly, Gln, Gly, His, Hser, Ile, Lys(Ac), Met, Nva, Octylgly, Orn, Phe(3-CH₂OH), Pro, Ser, Thr, Trp, Tyr, Pen or Cys at position 6

<221> VARIANT

<222> (7)...(7)

<223> Xaa = Ala, 1-Nal, 2-Nal, 3-Pal, Abu, allylgly, Arg, Asn, Asp, Cit, Cha, Gln, Glu, Gly, His, Homoala, Hle, Hser, Ile, Leu, Lys(Ac), Lys(Isp), at position 7

<221> VARIANT

<222> (7)...(7)

<223> 7 Con'td:

Xaa = Met(O₂), Met(O), Met, Nor, Nva, Octylgly, Phe, Phe(4-CONH₂), Propargylgly, Ser, Thr, Trp, Tyr, Val, Pen, or Cys at position 7

<221> VARIANT

<222> (11)...(11)

<223> Xaa = Azaglycylamide, glycylamide, glycylethylamide, sarcosylamide, serylamide at position 11

<400> 6

Xaa Xaa Gly Val Xaa Xaa Xaa Ile Arg Pro Xaa

1

5

10